

~~SECRET~~

25 YEAR RE-REVIEW

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1521

ATTACHMENT A
OTR SPECIFICATIONS TO TSS
FOR AUDIO-VISUAL DEVICE

1. Recording time - up to 30 minutes
Tape speed - 7.5 ips, constant speed
Number of channels - Two channel magnetic tape recorder. Provide facilities for either single track or bilingual recording and listening which also provides for making and playing back tapes having a special control signal to synchronize the tape message with an automatic film transport
Frequency response - to 7000 cps
Bias and erase frequency - 40 kc
Signal to noise ratio - better than 40 db
Total wow and flutter - less than 0.3%
Rewind - 10:1 ratio
Recording level indicator - cathode ray "Magic Eye"
Reels - up to 7" in diameter
Start-stop - Instantaneous start and stop of the tape on this machine by either a foot pedal or by push-to-talk microphone to permit facility in making unbroken recordings and in transcribing recorded material from the tape
Power requirements - 115 volts, 60 cycles, 110 watts
Weight - approximately 35 pounds
2. Automatic film strip projector - this unit to be operated independently as a push button controlled film strip projector or will accept the synchronizing signals from the tape machine to provide a completely automatic synchronizing audio-visual presentation.
3. Five pair of special high fidelity crystal headphones equipped with split cords and three contact plugs. A roll of five parallel output jacks on the machine to permit group listening to the output of channel 1 through both headphones or to the concurrent output of both channels with one being heard in each ear through the split headphone arrangement.

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